Comment Number	Commenter Name/Org/ Phone Number	Section	Change the Document from:	Change the document to:	Justification	Disposition
1	Wade Stevens/TBE/256-961-1086		No comments			Approve
2	Terry Nordmann/TBE		No comments			Approve
3	Tom Konkle / Boeing / 961-4608		No Comment			Approve
4 GAF1	Glenn A. Ferraro PODF/Teledyne Brown Engineering / MS-167 256-961-0233	Baseline Inc. 2 Payload Hazard Control Matrix (Doc. No. PHCM-INC2)	N/A	N/A	No comment.	Approve
5	Tammy Hone / TBE / 256-726-1498		No comments			Approve
6	Eric Clemmons/TBE		No comment			Approve
7	Gary Cartee/TBE/Crew Training/256-961-1478	NA	NA	NA	Approve as Written/No Comments	Approve
8	Paula Tyson/PODF/961-1843		No Comment	No comment	No comment	Approve

9	Terry R. Sandke/ARC SS&MA/650.604 .6979	Payload: Passive Dosimeter (PILLE) Increment: =II	No entry	**<u>Payload</u>** **Passive Dosimeter System (PDS) (PILLE) - TLD Kits (2) and TLD Reader Kit** **<u>Hazard Report</u>** PILLE-2, Rev. 3 **<u>Hazard Title/Control</u>** **Control 1.2** <u>Broken Glass</u> Sequentially inspect all 48 TLDs in the TLD Reader Kit and the two TLD Kits. **<u>Implementation</u>** **MGULPDSN016 / All steps** **MGULPDSM015 / All steps**	The Passive Dosimeter System is Laboratory Support Equipment being launched on STS-102 (5A.1) for a multi-increment (~10 year) stay aboard the ISS. It's first application in support of an experiment will be with the HRF after it is delivered to the station. The Hungarian Space Office has provided the Passive Dosimeter Reader/Annealer and Thermoluminescent Detectors (48 each) hardware as part of an international barter agreement. However, the PSRP (in Control 1.2) required that all Thermoluminescent Detectors (TLDs) be inspected on-orbit	Approve. Hazard Control will be added to PHCM with applicable procedures and steps.

					before use to assure glass integrity after launch. (The inspection is scheduled during the interval between the departure of 5A.1 and arrival of 6A. The inspection will be performed in accordance with the two referenced procedures.) (Note: PILLE is the Hungarian word for "butterfly".)	
10	Kristina Lovio-Taskov/ARC SLO/650-604-0450	Payload: HRF STD-PILLE, First column	PDS (TLD) KIT	PDS Passive Dosimeter System (PILLE) TLD READER KIT	The TLD READER KIT contains the TLD READER, the hardware that will connect to the host system power source. The TLD KIT does not contain hardware that connects to a host system power source. Change the document to reflect the correct	Approve

					kit that the safety hazard control applies towards.	
11	Amy Jupin / Crew training/ 961-4713	NO COMMENTS.				Approve
12	Denita McElyea/ EXPRESS Procedure Developer/ 961-1605	EXPR-1 Control 3.a.		Add under Implementation: PODF Procedures: MGUEEXPRSC007, steps 1.8 and 5.4 MGUEEXPRSC008, steps 1.7 and 5.4	These procedures also remove panels and these are the steps where the J1 and J2 cables are disconnected and connected.	Approve w/change. C008 step 1.7 should be 1.8
13	Glenn Ferarro	No comments				Approve
14	Susan Davis	No comments				Approve
15	Tom Burson PODF 256-961-1088	EXPRS-11 Control 1.a(2)			No Comment	Approve
16	Tom Burson PODF 256-961-1088	EXPRS-1 Control 1.b.			SODF Control, No comment	Approve

17	Tom Burson PODF 256-961-1088	EXPRS-9 Control 1.c		Should this also be a procedural control in each Payload's Procedural using Water Thermal Control?	Boiler Plate Procedures are used by Payloads in their individual procedures when connecting to EXPRESS Rack resources.	Approve intent. A review of procedures for payloads located in EXPRESS that have Water Thermal Control indicate that Hazard Controls exist. Experiments with these Hazard Controls are ADVASC and EXPPCS.
18	Tom Burson PODF 256-961-1088	EXPRS-13 Control 2			No Comment	Approve
19	Tom Burson PODF 256-961-1088	EXPR-15 Control 3			No Comment	Approve
20	Tom Burson PODF 256-961-1088	EXPR-1 Control 3.a		Delete from PODF Control	PODF Procedures only provide links to the SODF Procedures, there is no instruction for these activities.	Withdrawn
21	Tom Burson PODF 256-961-1088	EXPRS-1 Control 4.a.(2)			No Comment	Approve

22	Tom Burson PODF 256-961-1088	EXPRS-1 Control 4.b.			No Comment	Approve
23	Tom Burson PODF 256-961-1088	SAMS-II-RTS-04 Control 2	From: Control 2	To: Control 13.6	Payload Hazard Control List (SGUEEXPRSSAMSSH004), Final (Baseline) shows as Control 13.6.	Approve with change. See #73.
24	Tom Burson PODF 256-961-1088	SAMS-II DRAWER-02 Control 4.2		Where are the SODF Procedural Controls?	Shows as a SODF Control also	Approve. Will delete reference to SODF.
25	Tom Burson PODF 256-961-1088	SAMS-II DRAWER-02 Control 4.2	From: Control 4.2	To: Control 4.2.2	Payload Hazard Control List (SGUEEXPRSSAMSSH004), Final (Baseline) shows as Control 4.2.2	Approve
26	Tom Burson PODF 256-961-1088	STD-SAMS-II-ICU-01 Control 9			Control 9 not found on Payload Hazard Control List (SGUEEXPRSSAMSSH004), Final (Baseline)	Approve. Hazard Control will be updated to 9.a.4 on PHCM for clarification.
27	Tom Burson PODF 256-961-1088	STD-SAMS-II-DRAWER-01 Control 9.a.3			No Comment	Approve
28	Tom Burson PODF 256-961-1088	STD-SAMS-II-DRAWER-01 Control 9.a.5			No Comment	Approve

29	Tom Burson PODF 256-961-1088	STD-SAMS-II-DRAWER-01 Control 13	From: Control 13 **Mating/Demating Powered Connectors** GRC Safety Engineer will review crew procedures documented in accordance with SSP 52000 PDS to ensure steps are included to have the EXPRESS Rack verifiable inhibit in place to remove power to the RTS Drawer prior to the mating/demating of any non-low power connectors including connectors to a RTS-EE.	From: Control 13.3 **Mating/Demating Powered Connectors** GRC Safety Engineer will review crew procedures documented in accordance with SSP 52000 PDS to ensure steps are included to have the EXPRESS Rack verifiable inhibit in place to remove power to the RTS Drawer prior to the mating/demating of any non-low power connectors including connectors to a RTS-EE.	Payload Hazard Control List (SGUEEXPRSSAMSSH004), Final (Baseline) shows as Control 13.3	Approve w/change. Hazard Control List SH001 lists Control as 13.6 (not 13.3). Combine with comment #45.

30	Tom Burson PODF 256-961-1088	STD-SAMS-II-ICU-01 Control 13	Control 13 Mating/Demating Power Connectors GRC Safety Engineer will review crew procedures documented in accordance with SSP 52000 PDS to ensure steps are included to have the EXPRESS Rack verifiable inhibit in place to remove power to the ICU prior to the mating/demating of any non-low power connectors.		Control not on Payload Hazard Control List (SGUEEXPRSSAMSSH004), Final (Baseline)	Approve. PHCM will be updated to show Hazard Control as 13.5 for clarification.
31	William Revelez / PODF / 256-961-1208	HRF DOSMAP	…N008, STEPS 1.3, 1.4, 1.5	…N008, STEPS 3, 4, 5	To reflect current step numbering in procedure.	Approve
32	Cassandra Duncan /PODF / 256-961-1208	Comments submitted by the assigned PODF POC				Approve
33	Ann Harris-Hoover/LM		No comments			Approve
34	David Teague/TBE		No comment			Approve
35	Alexia Roach/TBE		No comment			Approve
36	Jessie Abba / WCSAR 608-	ADVASC-3	MGUEEXPRSASCN001 Step 4.6	MGUEEXPRSASCN001 Step 4.4	Wrong step number based on Dec 14	Approve

	262-5433				version of the procedures	
37	Jessie Abba / WCSAR 608-262-5433	ADVASC-4	MGUEEXPRSASCN001 Step 1.2, 2.1, 3.1, and 4.2 MGUEEXPRSASCN009 Step 1.1, 2.1, 3.1, and 4.1	MGUEEXPRSASCN001 Step 1.2 MGUEEXPRSASCN009 Step 1.1	The other steps were removed in the Dec 14 version of the procedures - a crew request	Approve
38	Jessie Abba / WCSAR 608-262-5433	STD-ADVASC-1.1	MGUEEXPRSASCN009 Step 1.1, 2.1, 3.1, and 4.1	MGUEEXPRSASCN009 Step 1.1	The other steps were removed in the Dec 14 version of the procedures - a crew request	Approve
39	Mike Shell/FD33/4-2061		Approved as Written			Approve
40	Pat Knowles TBE 256 961-0138		Approved as written			Approve
41	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II Interim Control Unit STD-SAMS-II-ICU-01 Control 13	Control 13	Control 13.5	PHCM calls for Control 13 and SAMS II Procedural Hazard Control List Hazard Control Number is 13.5	Approve
42	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II Interim Control Unit STD-SAMS-II-ICU-01 Control 13	MGUEEXPRESSAMSN007 Step 14	MGUEEXPRSSAMSN007 Step 15	PHCM has an extra “E” in filename, and SAMS Step number is actually Step 15	Approve with change. The hazard control is located in steps 13, 14, and 15.
43	Ellen Morris/CST(SA	SAMS II RTS Drawer	MGUEEXPRESSAMSN002 Step 1.5	MGUEEXPRSSAMSN002 Step 2.2, 3.2	PHCM has an extra “E” in filename	Approve

	MS) 256-890-3022	STD-SAMS-II-Drawer-01 Control 9.a.3	MGUEEXPRESSAMSN003 Step 2.5, 3.5 MGUEEXPRESSAMSN004 Step 2.5, 3.2 MGUEEXPRESSAMSN014 Step 4 MGUEEXPRESSAMSC006 Step 1.5	MGUEEXPRSSAMSN003 Step 2.5, 3.5 MGUEEXPRSSAMSN004 Step 2.5, 3.2 MGUEEXPRSSAMSN014 Step 4 MGUEEXPRSSAMSC006 Step 1.5	ADDITION: Review of N002 uncovered direct violation of Safety Hazard 9.a.3. Procedure steps were reordered allowing for the correct implementation of Safety Hazard 9.a.3	
44	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II RTS Drawer STD-SAMS-II-Drawer-01 Control 9.a.5	MGUEEXPRESSAMSC006 Step 2	MGUEEXPRSSAMSC006 Step 2	PHCM has an extra "E" in filename	Approve
45	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II Drawer STD-SAMS-II-Drawer-01 Control 13	Control 13	Control 13.6	PHCM calls for Control 13 and SAMS II Procedural Hazard Control List Hazard Control Number is 13.6	Approve
46	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II Drawer STD-SAMS-II-Drawer-01 Control 13	**Mating/Demating Powered Connectors** GRC Safety Engineer….including connectors to a RTS-EE.	**Mating/Demating Power Connectors** GRC Safety Engineer….including connectors to a RTS-EE (Reference SAMS-II-013. Closure for Safety Verification Method 2.1 of Hazard Report SAMS-II-	Payload Hazard Control Title is worded different. Also SAMS II Procedural Hazard Control List has additional note (Reference…SAMS-II-RTS-04)at end of Hazard Control	Approve with change. Title will be corrected. Request to change Hazard Control wording denied. Verbage is per the Hazard Report. Suggested

				RTS-04)	Summary.	wording for change is from the hazard report verification method.
47	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II Drawer STD-SAMS-II-Drawer-01 Control 13	MGUEEXPRESSAMSN008 Step 18 MGUEEXPRESSAMSN009 Step 1.5 MGUEEXPRESSAMSN010 Step 1.5	MGUEEXPRSSAMSN008 Step 18 MGUEEXPRSSAMSN009 Step 1.5 MGUEEXPRSSAMSN010 Step 1.5	PHCM has an extra "E" in filename	Approve
48	Ellen Morris 256-890-3022	SAMS II Remote Triaxial Sensor System SAMS-II-RTS-04 Control 2	Control 2 **Mating/Demating Powered Connectors** RTS installation and removal operations will be performed using only approved crew procedures including steps to insert a verifiable inhibit to remove voltage to the RTS-EE.	Control 13.6 Mating/Demating Power Connectors Inspection. GRC Safety Engineer will review crew procedures documented in accordance with SSP 52000-PDS to ensure steps are included to have the EXPRESS Rack verifiable inhibit in place to remove power to the RTS Drawer prior to the mating/demating of any non-low power connectors including connectors to a RTS-EE (Reference SAMS-II-013. Closure for Safety	PHCM calls for Control 2 SAMS does not specifically call out STD-SAMS-RTS-04 with a Hazard Report Number in its Procedures Hazard Control List, but references it as shown under STD-SAMS-II-Drawer-01 Hazard Control Number 13.6	Approve with change. See # 73.

				Verification Method 2.1 of Hazard Report SAMS-II-RTS-04)		
49	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II Remote Triaxial Sensor System SAMS-II-RTS-04 Control 2	MGUEEXPRESSAMSN008 Step 18 MGUEEXPRESSAMSN009 Step 1.5 MGUEEXPRESSAMSN010 Step 1.5	MGUEEXPRSSAMSN008 Step 18 MGUEEXPRSSAMSN009 Step 1.5 MGUEEXPRSSAMSN010 Step 1.5	PHCM has an extra "E" in filename	Approve
50	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II Interim Control Unit STD-SAMS-II-ICU-01 Control 9	Control 9	Control 9.a.4	PHCM calls for Control 9 and SAMS II Procedural Hazard Control List Hazard Control Number is 9.a.4	Approve
51	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II Interim Control Unit STD-SAMS-II-ICU-01 Control 9	MGUEEXPRESSAMSC002 Step 2 MGUEEXPRESSAMSC003 Step 2 MGUEEXPRESSAMSC004 Step 2,3 MGUEEXPRESSAMSC005 Step 2	MGUEEXPRSSAMSC002 Step 2 MGUEEXPRSSAMSC003 Step 2 MGUEEXPRSSAMSC004 Step 2, 3 MGUEEXPRSSAMSC005 Step 2	PHCM has an extra "E" in filename	Approve
52	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II SAMS II RTS Drawer SAMS-II-DRAWER-02 Control 4.2	Control 4.2	Control 4.2.2	PHCM calls for Control 4.2 and SAMS II Procedural Hazard Control List Hazard Control Number is	Approve. Combine with 25.

					4.2.2	
53	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II SAMS II RTS Drawer SAMS-II-DRAWER-02 Control 4.2	SAMS-II-DRAWER-02	STD-SAMS-II-DRAWER-02	Insert "STD-" to title to make consistent with others in PHCM and SAMS Procedural Hazard Control List.	Approve
54	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II SAMS II RTS Drawer SAMS-II-DRAWER-02 Control 4.2	MGUEEXPRESSAMSN002 Step 2.6, 2.14, 3.7 MGUEEXPRESSAMSN003 Step 2.8, 2.19, 3.8 MGUEEXPRESSAMSN004 Step 2.8, 3.8 MGUEEXPRESSAMSN009 Step 2.4 MGUEEXPRESSAMSC006 Step 2.7	MGUEEXPRSSAMSN002 Step 2.9, 2.17, 3.10 MGUEEXPRSSAMSN003 Step 2.8, 2.19, 3.8 MGUEEXPRSSAMSN004 Step 2.8, 3.8 MGUEEXPRSSAMSN009 Step 2.4 MGUEEXPRSSAMSC006 Step 2.7	PHCM has an extra "E" in filename ADDITION: Review of N002 uncovered direct violation of Safety Hazard 9.a.3. Procedure steps were reordered allowing for the correct implementation of Safety Hazard 9.a.3. This action resulted in the renumbering of steps 2.6, 2.14, and 3.7 to be changed to 2.9, 2.17, 3.10.	Approve
55	Ellen Morris/CST(SAMS) 256-890-3022	SAMS II SAMS II RTS Drawer SAMS-II-DRAWER-02 Control 4.2	**Structures** RTS enclosures will be installed prior to launch into the RTS Drawers and removed/reinstalled on-orbit from/to the RTS Drawers in accordance with approved	Structural Failure Inspection. GRC Safety Engineer will review crew procedures documented in accordance with SSP 52000-PDS for the on-orbit removal/re-installation of	PHCM has different verbage than what is in SAMS Procedural Hazard Control List	Withdrawn

			procedures including specifications for applying the proper torque to the RTS enclosure captive fasteners and require that all four captive fasteners be utilized for each RTS enclosure during Shuttle Launch and landing. If all four captive fasteners can not be used to secure a RTS enclosure(s) for return on the Shuttle, then only approved procedures will be used with specifications for the RTS enclosure(s) to be returned in a safe stowage configuration	RTS enclosures including specifications for applying the proper torque to the captive fasteners and utilizing all four captive fasteners for each RTS enclosure. If all four captive fasteners can not be used to secure a RTS enclosure(s) for return on the Shuttle, crew procedures will be reviewed for specifications for the RTS enclosure(s) to be returned in a safe stowage configuration. (Reference SAMS-II-013. Closure for Safety Verification Method 4.2.1 of Hazard Report SAMS-II-RTS-02)		
56	Clifton Jones TBE 256-961-1674	EXPR-15 Implementation Column	MGUEEXPRSC003, Step 1.1 MGUEEXPRSC004, Step 1.1 MGUEEXPRSC005, Step 1.1 MGUEEXPRSC006, Step 1.1 MGUEEXPRSC007, Step 1.1 MGUEEXPRSC008, Step 1.1 MGUEEXPRSC013, Step 1.1	MGUEEXPRSC004, Step 1.1 MGUEEXPRSC006, Step 1.1	Comment: MGUEEXPRSC003, C005, C007, C008, and C013 do not contain verbiage requiring the 2.5 hour cool down period as stated in Payload Hazard Title/Control.	withdrawn
57	Robbie Hawkins TBE 256-961-1259			No comments.		Approve

58	John Bathurst		No comments			Approve
59	Dan Connor/ UAB-CBSE/ (205)581-2912	Document	Add CPCG Experiment Hazard Controls	Hazard STD-CRIM-M 13 Requires Power Source Dead-faced when connecting/disconnecting power cables. This is covered in CPCG-H procedures MGUEEXPRSCPCGM002 Step 10 (Note 2) MGUEEXPRSCPCGM003 Step 5 (Note 3) MGUEEXPRSCPCGM003 Step 13 (Note 3) This is covered in Boeing (Express Rack) Transfer Procedures Assembly Ops Book Doc 7188 Step 3.3 and 4.1	Properly identify CPCG-H Hazard Control for connecting/disconnecting power cables.	Approve w/ action on CPCG to add a Safety Hazard Control List to OPMS.
60	Dan Connor/ UAB-CBSE/ (205)581-2912	Document	Add CPCG Experiment Hazard Controls	Hazard CRIM-M F01 Item 7.2 identifies minimum safe Return Configuration and required torque values. This should be covered in the Boeing(Express Rack) Transfer Procedures.	Properly identify CPCG-H Hazard Control for Rapid Safing	Approve w/ action on CPCG to add a Safety Hazard Control List to OPMS.

				Currently there are no Contingency Transfer Procedures for returning hardware from ISS to MDK for I2 6A. Hardware is scheduled to be returned on 7A.1 which will be in the Increment 3 Data File. In the event that a rapid safing scenario should occur after removal from the Shuttle Middeck but the hardware is still in the middeck, the hardware must be re-installed (3 fasteners acceptable) and torqued to 75-110 in-lbs. If the hardware is in any other location than the Middeck (i.e. transfer tunnel, ISS) the hardware can be left, temp stowed, on Station. These conditions will meet the rapid safing Reqs of MA2-96-190.		
61	Lisa Smith/UAB-CBSE/ (205)581-2921	No Comment				Approve
62	Renee	No Comment				Approve

	Riccio/UAB-CBSE/ (205)581-2928					
63	Carol Kurta/EXPPCS/ 216-977-0398	PCS-HR-001 Control 2.1	MGUEEXPRSPCSN002 Step 1.3, 3.1 MGUEEXPRSPCSN003 Step 1 MGUEEXPRSPCSN004 Step 1.2 MGUEEXPRSPCSN005 Step 1.1, 1.2 MGUEEXPRSPCSN006 Step 1.1, 1.4 MGUEEXPRSPCSN007 Step 2.2, 2.3 MGUEEXPRSPCSM002 Step 1, 5.2 MGUEEXPRSPCSA003 Step 1.1, 1.4	MGUEEXPRSPCSN002 Step 1.3, 3.1, 4.2 MGUEEXPRSPCSN003 Step 1 MGUEEXPRSPCSN004 Step 1, 2 MGUEEXPRSPCSN005 Step 1.1, 1.2 MGUEEXPRSPCSN006 Step 1.1, 1.4 MGUEEXPRSPCSN007 Step 2.2, 2.3 MGUEEXPRSPCSM002 Step 1 MGUEEXPRSPCSA003 Step 1.2, 1.6 This control also applies to Flight Rule EXPPCS-02.	Change in procedure numbering and procedure standards.	Approve
64	Carol Kurta/EXPPCS/ 216-977-0398	PCS-HR-001 Control 3.2	MGUEEXPRSPCSN002 Step 1.4 – 1.25 MGUEEXPRSPCSN005 Step 1.4 – 1.5, 5.1 – 5.2 MGUEEXPRSPCSN006 Step 1.5 – 1.13, 3.1-3.9 MGUEEXPRSPCSN007 Step 2.9 – 2.19	MGUEEXPRSPCSN002 Step 1.4 – 1.25 MGUEEXPRSPCSN005 Step 1.4 – 1.5, 4.1 – 4.2 MGUEEXPRSPCSN006 Step 1.5 – 1.13, 3.2 – 3.10 MGUEEXPRSPCSN007 Step 2.9 – 2.19	Change in procedure numbering and procedure standards.	Approve w/ change. M002 steps should be 2.1, 3.2, 4.2.

			MGUEEXPRSPCSM002 Step 2.1, 3.2, 4.2 MGUEEXPRSPCSA003 Step 1.6-1.17, 4.1-4.12	MGUEEXPRSPCSM002 Step 2, 3, 4, MGUEEXPRSPCSA003 Step 4.1- 4.3, 4.5 - 4.12		
65	Carol Kurta/EXPPCS/ 216-977-0398	PCS		PCS-HR-002 Control 3.1 Leakage/Rupture of Pressurized Lines and Fittings MGUEEXPRSPCSN001 Step 6, 9 MGUEEXPRSPCSN002 Step 4.12 MGUEEXPRSPCSN003 Step 2.5 MGUEEXPRSPCSN006 Step 3.11 MGUEEXPRSPCSA003 Step 4.13	Was not included in this document, but is listed in the EXPPCS PHCM.	Approve
66	Carol Kurta/EXPPCS/ 216-977-0398	PCS-HR-004 Control 2.3	MGUEEXPRSPCSN005 Step 1.1,1.2 MGUEEXPRSPCSN006 Step 1.1,1.4 MGUEEXPRSPCSA003 Step 1.1, 1.4	MGUEEXPRSPCSN005 Step 1.1, 1.2 MGUEEXPRSPCSN006 Step 1.1, 1.4 MGUEEXPRSPCSA003 Step 1.2, 1.6 This control also applies to Flight Rule EXPPCS-02.	Change in procedure numbering and procedure standards.	Approve
67	Carol Kurta/EXPPCS/	PCS-HR-005 Control 1.2	MGUEEXPRSPCSN007 Step 4.2	MGUEEXPRSPCSN007 Step 4.3	Change in procedure numbering and	Approve

	216-977-0398				procedures	
68	Carol Kurta/EXPPCS/ 216-977-0398	PCS-HR-005 Control 6.3	MGUEEXPRSSAMSN002 Step 2, 3 MGUEEXPRSSAMSN003 Step 2, 3 MGUEEXPRSSAMSN004 Step 2, 3	MGUEEXPRSSAMSN009 Step3	Change in procedure numbering and procedures	Approve with change. Step 3 in N009 should be step 2.4.

69	Carol Kurta/EXPPCS/ 216-977-0398	STD-PCS-01 Control 14	MGUEEXPRSPCSN001 Step 1, 2, 3 MGUEEXPRSPCSN002 Step 1.1, 1.2, 3.2, 3.3 MGUEEXPRSPCSN003 Step 2.1 MGUEEXPRSPCSN005 Step 2.1, 3.1, 3.2 MGUEEXPRSPCSN006 Step 1.2, 1.3, 2.6, 3.7, 3.11, 3.12 MGUEEXPRSPCSN007 Step 2.1, 2.2, 2.8, 2.9-2.19, 2.25, 2.28, 2.31, 3.1, 3.2, 3.6, 4.1, 4.2, 4.7, 4.9 MGUEEXPRSPCSN008 Step 1, 2, 4, 8, 9 MGUEEXPRSPCSN009 Step 8, 9 MGUEEXPRSPCSM002 Step 5.1, 5.8, 6.1, 6.2, 6.10 MGUEEXPRSPCSA003 Step 1.2, 1.3, 1.5-1.16, 2.6, 2.11, 3.7, 3.12, 3.14, 4.14	MGUEEXPRSPCSN001 Step 1, 2, 3 MGUEEXPRSPCSN002 Step 1.1, 1.2, 3.2, 3.3 MGUEEXPRSPCSN003 Step 2.1 MGUEEXPRSPCSN005 Step 2.1, 2.8, 3.3 MGUEEXPRSPCSN006 Step 1.2, 1.3, 1.5,1.6, 1.7, 1.9, 1.12, 1.13, 2.6, 2.7, 3.12, 3.13 MGUEEXPRSPCSN007 Step 2.1, 2.2, 2.8, 2.9-2.19, 2.25, 2.28, 2.31, 3.1, 3.2, 3.6, 4.1, 4.2, 4.8, 4.10 MGUEEXPRSPCSN008 Step 1, 3, 7 MGUEEXPRSPCSN009 Step 7 MGUEEXPRSPCSM002 Step 3.1, 3.2, 4.1 MGUEEXPRSPCSA003 Step 1.3, 1.4, 1.7, 1.8, 1.9, 1.11, 1.14, 1.16, 1.17, 1.18, 2.6, 2.11, 3.7, 3.12, 3.14, 4.14, 4.15	Change in procedure numbering and procedures	Approve w/change. A003 should also contain step 1.5.
70	Kerri Langley/TBE	No Comments				Approve
71	Kevin Kasperitis /	HRF Ultrasound	**M2UEJRFUSNDN001 Steps**	**MGUEHRFUSNDN001**	Change file names from	Approve

	PODF / 256-961-1208		**1.1, 1.6, 3.5, 4.1-4.3 M2UEJRFUSNDN002 Steps 3.12, 3.14, 3.16 M2UEJRFUSNDN001 Steps 1.8, 4.4**	**Steps 1.1, 1.7, 3.5, 4.1-4.3 MGUEJRFUSNDN002 Steps 3.12, 3.14, 3.16 MGUEJRFUSNDN001 Steps 1.8, 4.4**	Increment specific (2) to generic file names (G) to be consistent with current file name. Delete step number 1.6 noted in N001 and replace with step number 1.7 to correct typo in original P/L HCM.	
72	Carol Kurta/SAMS-II/ 216-977-0398	Control 4.2 (SAMS-II-DRAWER-02)	MGUEEXPRESSAMSN002 Steps 2.3, 2.14, 3.7 MGUEEXPRESSAMSN003 Steps 2.8, 2.19, 3.8 MGUEEXPRESSAMSN004 Steps 2.8, 3.8 MGUEEXPRESSAMSN009 Step 2.4 MGUEEXPRESSAMSC006 Step 2.7	MGUEEXPRSSAMSN002 Steps 2.9, 2.17, 3.10 MGUEEXPRSSAMSN003 Steps 2.8, 2.19, 3.8 MGUEEXPRSSAMSN004 Steps 2.8, 3.8 MGUEEXPRSSAMSN009 Step 2.4 (MGUEXPRSSAMSR002 needs updated to show altered torque value for EXPPCS) MGUEEXPRSSAMSC006 Step 2.7	Changes in substep numbering, correction of filename convention, and incorporation of additional closure steps	Approve with action for SAMS to make updates to procedure R002 (torque values) and SH001 Hazard Control List.
73	Carol Kurta/SAMS-II/ 216-977-0398	Control 2 (SAMS-II-RTS-04)	MGUEEXPRESSAMSN008 Step 18 MGUEEXPRESSAMSN009 Step 1.5 MGUEEXPRESSAMSN010	Closure would be provided by integrator crew procedures (installation under nominal operations, removal under malfunction procedures) and	Confusion between SAMS-II-RTS-04 and STD-SAMS-II-DRAWER-01 (both pertain to	Approve with action for SAMS to update SH001 with Hazard Control 2 and a

			Step 1.5	ground installation procedures. For I2, this information was provided to SAMS-II by EXPRESS as MGUEEXPRS-C005.	Mate/Demate of Powered Connectors)	listing of applicable EXPRSS procedures and step numbers.
74	Carol Kurta/SAMS-II/ 216-977-0398	Control 13/STD-SAMS-II-DRAWER-01	MGUEEXPRESSAMSN008 Step 18 MGUEEXPRESSAMSN009 Step 1.5 MGUEEXPRESSAMSN010 Step 1.5	Need to add √DRAWER-1 POWER – OFF prior to MGUEEXPRSSAMSN002 Step 1.2 for compliance. Need to add √DRAWER-1 POWER – OFF prior to MGUEEXPRSSAMSN003 Step 1.2 for compliance. Need to add √DRAWER-1 POWER – OFF prior to MGUEEXPRSSAMSN004 Step 1.2 for compliance. MGUEEXPRSSAMSN009 Step 1.5 MGUEEXPRSSAMSN010 Step 1.5 Need to add √DRAWER-1 POWER – OFF after MGUEEXPRSSAMSN012 Step 1 for compliance. Need to add √DRAWER-1 POWER – OFF after MGUEEXPRSSAMSN014 Step 1 for compliance. Need to add √DRAWER-1	NOTE: Procedures also “may” need to reflect DRAWER-1 POWER – ON. DRAWER-1 is also increment specific.	Approve for SAMS to update procedures, N002, N003, N004, N009, N010, N012, N014, C006, M001, AND SH001.

				POWER – OFF after MGUEEXPRSSAMSC006 Step 1.2 for compliance. Need to add √DRAWER-1 POWER – OFF to MGUEEXPRSSAMSM001 for compliance.		
75	Carol Kurta/SAMS-II/ 216-977-0398	Control 9.a.3/STD-SAMS-II-DRAWER-01	MGUEEXPRESSAMSN002 Step 1.5 MGUEEXPRESSAMSN003 Step 2.5, 3.5 MGUEEXPRESSAMSN004 Step 2.5, 3.2 MGUEEXPRESSAMSN014 Step 4 MGUEEXPRESSAMSC006 Step 1.5	MGUEEXPRSSAMSN002 Steps 2.2, 3.2 MGUEEXPRSSAMSN003 Steps 2.5, 3.5 MGUEEXPRSSAMSN004 Steps 2.5, 3.2 MGUEEXPRSSAMSN012 Step 4 MGUEEXPRSSAMSN014 Step 4 MGUEEXPRSSAMSC006 Step 1.5	Changes in substep numbering, correction of filename convention, and incorporation of additional closure steps	Approve with action for SAMS to update SH001 to reflect the addition of N012 Step 4 as a Hazard Control.
76	Carol Kurta/SAMS-II/ 216-977-0398	Control 9.a.5/STD-SAMS-II-DRAWER-01	MGUEEXPRESSAMSC006 Step 2	MGUEEXPRSSAMSC006 Step 1.5	Changes in substep numbering, and correction of filename convention	Approve with action for SAMS to update SH001.
77	Carol Kurta/SAMS-II/ 216-977-0398	Control 9/STD-SAMS-II-ICU-01	MGUEEXPRESSAMSC002 Step 2 MGUEEXPRESSAMSC003 Step 2 MGUEEXPRESSAMSC004 Step 2, 3 MGUEEXPRESSAMSC005	MGUEEXPRSSAMSN011 Step 3 MGUEEXPRSSAMSN013 Step 3 MGUEEXPRSSAMSC001 Step 1.2 Need to add	Correction of filename convention, and incorporation of additional closure steps	Approve with action for SAMS to update SH001, C002, and C004.

			Step 2	"√Temperature indicator < 45 deg C ********** If the temperature is ≥ 45 deg C then Push drawer in. Wait 30 minutes. Go to step XXX (proper step number here) **********" to MGUEEXPRSSAMSC002 after step 1.2 for compliance. MGUEEXPRSSAMSC003 Step 1.4 MGUEEXPRSSAMSC004 Step 2.2 needs 2.1 and 2.2 copied to beginning of Step 3 for compliance. MGUEEXPRSSAMSC005 Step 1.4		
78	Carol Kurta/SAMS-II/ 216-977-0398	Control 13/STD-SAMS-II-ICU-01	MGUEEXPRESSAMSN007 Step 14	Need to add √DRAWER-1 POWER – OFF to MGUEEXPRSSAMSN001 Step 3.2 for compliance. Need to add √DRAWER-1 POWER – OFF to MGUEEXPRSSAMSC001 Step 2.3 for compliance.	NOTE: Procedures also "may" need to reflect DRAWER-1 POWER – ON. DRAWER-1 is also increment specific.	Approve with action for SAMS to update SH001, N001, C001, and C002.

				Need to add √DRAWER-1 POWER – OFF to MGUEEXPRSSAMSC002 Step 1.4 for compliance.		
79	Carol Kurta/SAMS-II/ 216-977-0398		Add Control 4.2/SAMS-II-RTS-02 Installation or removal operations will be performed using only approved procedures for integrator pre-launch and/or on-orbit operations including specifications for applying the proper torque to the captive fasteners and require that all four captive fasteners be utilized if the captive fasteners are to secure RTS hardware during Shuttle launch and landing. If all four captive fasteners can not or were not planned to be used to secure RTS hardware for return on the Shuttle, then only approved procedures will be used with specifications for the RTS hardware to be returned in a safe stowage configuration.	Increment specific information. For I2, MGUEEXPRSPCSN002 Step 2 hyperlinks to MGUEEXPRSSAMSN009 (step 2.4) to show closure, and MGUEXPRSSAMSR002 needs updated to show altered torque value for EXPPCS. The RTS-SE is removed from EXPPCS prior to the EXPPCS return.	Incorporation of additional controls and closure steps	Approve with action for SAMS to update R002 to show altered torque values and to add Hazard Control 4.2/SAMS-II-RTS-02 to SH001.
80	Bob Heinisch	Add PHCM for		Add Hazard Control for	HRF Workstation and	Approve

	TBE/Safety 256-961-1093	FSD Hazard Control		STD-FSD (Flat Screen Display) Control 13 / Mating and Demating of Power Connectors	Ultrasound provide crew procedure controls for the FSD Mate and Demate of Power Connectors. A review of the Hazard Reports show that the control has been left out of the PHCM.	